TABLE OF CONTENTS

Volume 54, 1956

January

		Page
DeWitt Nelson, George A. Garratt Elected S.A.F. President, Vice President		3
The 55th Annual Meeting		6
A Site Evaluation Concept	*Svend O. Heiberg* and *Donald P. White*	7
Boron Level and Boron Toxicity in Pinus resinosa and P. strobus	*E. L. Stone* and *Guy Baird*	11
Regeneration of Aspen Cutover Areas in Northern Wisconsin	*J. H. Stoeckeler* and *John W. Macon*	13
Forest Service Policies as They Affect the Lumber Industry: A Case Study of the Black Hills	*Carl A. Newport*	17
Some Effects of Depth on Planting upon Loblolly Pine in the North Carolina Piedmont	*G. K. Slocum* and *T. E. Maki*	21
Decay Following Thinning of Sprout Oak Clumps	*Elmer R. Roth*	26
Damage to Paper Birch by Red Squirrels in Alaska	*H. J. Lutz*	31
Pin-Pointing, a Surveying Technique for Foresters	*Gordon R. Heath*	34

February

Two Methods of Thinning Young Lodgepole Pine in the Central Rocky Mountains	*R. R. Alexander*	99
Factors Affecting Small-Woodland Management in Nacogdoches County, Texas	*A. L. Mignery*	102
An Early Test of Levels of Growing Stock in Appalachian Hardwoods	*W. G. Wahlenberg*	106
The Spacing Interval for Supplemental Shelterbelts	*N. P. Woodruff*	115
Forest Inventory for Management of State Lands in Minnesota	*Richard L. Knox*	123
Effects of Thinning a 55-Year-Old Western White Pine Stand	*Marvin W. Feiles*	130

March

The American Forestry Association's First Eighty Years	*Samuel T. Dana*	163
Tax Assessment of Forest Land and Timber Shows Improvement	*Ellis T. Williams*	172
Intermediate Yields of Douglas-Fir as Interpreted from British Yield Tables	*George H. Barnes*	177
Seed Spot Methods of Censusing Forest Rodents	*Lloyd Tevis, Jr.*	180
A Cylindrical Screen for Protecting Direct Seedings of Forest Tree Species	*J. H. Stoeckeler* and *H. F. Scholz*	183
A Simplified Method for Estimating Form Class of Loblolly and Shortleaf Pine Stands in Mississippi	*Allen F. Horn*	185
Results of Several Methods of Release of Understory Loblolly Pine in Upland Hardwood Stands	*William D. Miller* and *Oscar C. Tissue*	188

April

A Banker Looks at Forest Credit	*Ansgar R. Berge*	227
Forest Snowmelt and Spring Floods	*J. M. Rosa*	231
Adjustments in Forestry Education	*Paul A. Herbert*	236
Management of White-Tailed Deer and Ponderosa Pine	*George Neils, Lowell Adams,* and *Robert M. Blair*	238
A Study of Lumber Grade Recovery from Chemically Girdled Red Oaks	*Orvel A. Schmidt*	243
A Check List for Timber Sale Contracts	*J. Atwood Whitman*	246

TABLE OF CONTENTS

Volume 54, 1956

January

		Page
DeWitt Nelson, George A. Garratt Elected S.A.F. President, Vice President		3
The 55th Annual Meeting		6
A Site Evaluation Concept	*Svend O. Heiberg* and *Donald P. White*	7
Boron Level and Boron Toxicity in Pinus resinosa and P. strobus	*E. L. Stone* and *Guy Baird*	11
Regeneration of Aspen Cutover Areas in Northern Wisconsin	*J. H. Stoeckeler* and *John W. Macon*	13
Forest Service Policies as They Affect the Lumber Industry: A Case Study of the Black Hills	*Carl A. Newport*	17
Some Effects of Depth on Planting upon Loblolly Pine in the North Carolina Piedmont	*G. K. Slocum* and *T. E. Maki*	21
Decay Following Thinning of Sprout Oak Clumps	*Elmer R. Roth*	26
Damage to Paper Birch by Red Squirrels in Alaska	*H. J. Lutz*	31
Pin-Pointing, a Surveying Technique for Foresters	*Gordon R. Heath*	34

February

Two Methods of Thinning Young Lodgepole Pine in the Central Rocky Mountains	*R. R. Alexander*	99
Factors Affecting Small-Woodland Management in Nacogdoches County, Texas	*A. L. Mignery*	102
An Early Test of Levels of Growing Stock in Appalachian Hardwoods	*W. G. Wahlenberg*	106
The Spacing Interval for Supplemental Shelterbelts	*N. P. Woodruff*	115
Forest Inventory for Management of State Lands in Minnesota	*Richard L. Knox*	123
Effects of Thinning a 55-Year-Old Western White Pine Stand	*Marvin W. Feiles*	130

March

The American Forestry Association's First Eighty Years	*Samuel T. Dana*	163
Tax Assessment of Forest Land and Timber Shows Improvement	*Ellis T. Williams*	172
Intermediate Yields of Douglas-Fir as Interpreted from British Yield Tables	*George H. Barnes*	177
Seed Spot Methods of Censusing Forest Rodents	*Lloyd Tevis, Jr.*	180
A Cylindrical Screen for Protecting Direct Seedings of Forest Tree Species	*J. H. Stoeckeler* and *H. F. Scholz*	183
A Simplified Method for Estimating Form Class of Loblolly and Shortleaf Pine Stands in Mississippi	*Allen F. Horn*	185
Results of Several Methods of Release of Understory Loblolly Pine in Upland Hardwood Stands	*William D. Miller* and *Oscar C. Tissue*	188

April

A Banker Looks at Forest Credit	*Ansgar R. Berge*	227
Forest Snowmelt and Spring Floods	*J. M. Rosa*	231
Adjustments in Forestry Education	*Paul A. Herbert*	236
Management of White-Tailed Deer and Ponderosa Pine	*George Neils, Lowell Adams,* and *Robert M. Blair*	238
A Study of Lumber Grade Recovery from Chemically Girdled Red Oaks	*Orvel A. Schmidt*	243
A Check List for Timber Sale Contracts	*J. Atwood Whitman*	246

Page

Stand Conditions in the Old-Growth Hardwoods of the Fred Russ Forest in Southwestern Michigan — *Victor J. Rudolph* — 249

Federal Taxation of Income From Timber — *Roger D. Huff* — 254

Can the Shelterwood Method Successfully Regenerate Longleaf Pine? — *Thomas C. Croker, Jr.* — 258

Testing Soil-Site Index Tables in Southwestern Alabama — *Earl J. Hodgkins* — 264

May

Merchandising Southern Pine Lumber — *W. C. Hammerle* — 307

Use of Temperature Pellets in Regeneration Research — *Roy R. Silen* — 311

Exposure of Loblolly Pine Planting Stock — *G. K. Slocum* and *T. E. Maki* — 313

Statistics from Schools of Forestry for 1955: Degrees Granted and Enrollments — *Gordon D. Marckworth* — 316

Deterioration of Beetle-Killed Pacific Silver Fir — *Ernest Wright, W. K. Coulter,* and *J. J. Gruenfeld* — 322

Applying The Oxford System in America — *Frances Flick* — 325

The Frill: A New Technique in Chemical Debarking — *Francis M. Rushmore* — 329

Natural Forest Vegetation Zones of New England — *Marinus Westveld, et al.* — 332

June

Some Economic Considerations in Managing the Loblolly Pine—Hardwood Type — *Carl H. Stoltenberg* — 371

The Other Side of the Mountain — *W. S. Rosecrans* — 375

Growing Stock Volumes in Unmanaged and Managed Forests — *Nat Walker* — 378

Dwarfmistletoe Survey and Control on the Mescalero-Apache Reservation, New Mexico — *Frank G. Hawksworth* and *Arthur A. Lusher* — 384

Effect of White-Tailed Deer on a Mature Northern Hardwood Forest — *William L. Webb, Ralph T. King,* and *Earl F. Patric* — 391

July

Fifty Years of White Pine Blister Rust in the Northeast — *Ray R. Hirt* — 435

Changes in Some Physical Soil Properties After a Prescribed Burn in Young Ponderosa Pine — *Robert F. Tarrant* — 439

A Simplified Method of Correcting for Slope on Circular Sample Plots — *Mackay B. Bryan* — 442

The Growth of Mature Red Pine in Minnesota — *Stephen H. Spurr* and *J. H. Allison* — 446

Board Foot-Bolt Foot Volume Ratios for White Oak Cooperage Logs — *N. B. Goebel* — 452

Forestry Education in America — *Henry Clepper* — 455

Strength and Related Properties of Tanoak — *C. A. Randall* — 458

Trends in Pine Pulpwood Marketing in the South — *A. I. Jeffords, Jr.* — 463

Opening Case-Hardened Southern Pine Cones — *A. A. Foster* — 466

August

Snow Storage and Melt in a Northern Hardwood Forest — *Richard S. Sartz* and *George R. Trimble, Jr.* — 499

Stand Establishment Costs and the Theory of Relative Forest Rent — *Rudolf S. Markus* — 503

Economics for Forest Managers—a Changing Emphasis — *Carl H. Stoltenberg* — 506

Twenty-Five Year Summary of Red Pine Thinning Plots: Cloquet Experimental Forest — *T. Schantz-Hansen* — 512

Southeast Hardwood Distribution from Stump to User — *Lee S. Settel* — 515

Page

The Rust Fungus (Cronartium stalactiforme) in Lodgepole Pine — *James L. Mielke* — 518

Estimating Allowable Cut Without a Type Map in Forests of Western Washington and Western Oregon — *Floyd A. Johnson* and *Vernon E. Hicks* — 522

The Use of Chemicals in Controlling Forest Stand Composition in the Duke Forest — *Kenneth L. Carvell* — 525

September

Some Factors Affecting Management of Conifers and Hardwoods in the Allegheny Region — *David W. Sowers, et al.* — 563

Effect of Controlled Release on Growth of Individual Douglas-Fir Trees — *George R. Staebler* — 567

Efficiency of Several Cruising Designs on Small Tracts in North Arkansas — *Clement Mesavage* and *L. R. Grosenbaugh* — 569

Plantation Success in the Harvard Forest as Related to a Planting Site and Cleaning, 1907-1947 — *Stephen H. Spurr* — 577

Georgia's New Dewinger — *S. P. Darby* — 579

Effects of Prescribed Burning on Forage and Mast Production in Southern Pine Forests — *Daniel W. Lay* — 582

Upland Hardwoods in South Arkansas Pine Stands—Aerial or Underground Invaders? — *R. R. Reynolds* — 585

Financial Maturity—What's It Good For? — *John Fedkiw* and *James G. Yoho* — 587

A Guide to Sources of Information Regarding Interesting Forestry Developments in the South — 591

October

The Progress and Problems of Southern Forestry — *Editorial* — 627

The South's Forest Resource — *P. R. Wheeler* and *J. W. Cruikshank* — 629

The Southern Hardwood Lumber Industry — *George C. Romeiser* — 633

Southern Pine Lumber: Versatile Is the Word — *Virgil W. Cothren* — 637

The Pulp and Paper Industry in the South — *H. J. Malsberger* — 639

Naval Stores — *Harley Langdale, Jr.* — 643

Specialty Products from Hardwood and Pine in the South — *Walton R. Smith* — 646

Progress of Protection From Forest Fires in the South — *James E. Mixon* — 649

Progress in Forest Entomology in the South — *L. W. Orr* and *R. J. Kowal* — 653

Forest Disease Research in the South — *George H. Hepting* — 656

Progress in Professional Education — *Clemens M. Kaufman* — 661

Progress in Forest and Related Research in the South — *E. L. Demmon* and *P. A. Briegleb* — 674

November

Forestry in The Soil Bank — *W. S. Swingler* — 747

Cost of Seed Collection from a Pine Seed Production Area — *Bruce J. Zobel, Franklin C. Cech,* and *Ray E. Goddard* — 750

A Method for Determining Percent Summerwood in Coniferous Wood Samples — *Sharon R. Miller* and *Barry F. Malac* — 756

Canadian Institute of Forestry — *James D. Coats* — 759

Aerial Application of Potash Fertilizer to Coniferous Plantations — *Donald P. White* — 762

Bias in Timber Volume Estimates Caused by Rounding off D.B.H. and Merchantable Length Measurements — *A. L. Hartong* and *P. L. Thornton* — 769

Slash Disposal and Seedbed Preparation by Tractor — *Donald T. Gordon* — 771

December

Determination of Desirable Growing Stock—A Central Problem of Forest Management — *Kenneth P. Davis* — 811

Bale Storage Effective for Loblolly Pine Seedlings — *S. J. Ursic* — 815

Potential Uses of Helicopters in Forestry — *Thomas Hansbrough* — 817

The Wildlife Society — *Daniel L. Leedy* — 821

Page

Timber Stand Improvement in Ozark Forests—an Appraisal After 15 Years ..... *Eugene Shoulders* 824

Seed Source and Nursery Effects on Yellow-Poplar Plantations ..... *Gustaf A. Limstrom* and *Raymond F. Finn* 828

Pocket Gophers as a Cause of Mortality in Eastern Washington Pine Plantations ..... *Richard Wm. Dingle* 832

Managing Hardwoods for Quality Increment ..... *S. R. Gevorkiantz* 836

Some Statistical Needs in Forest Economics ..... *Charles H. Stoddard* 841

Notes 38, 133, 190, 267, 339, 399, 468, 531, 595, 774, 843

We Present 272, 402, 848

Points of View 41, 194, 404, 473, 599

Reviews 45, 136, 196, 274, 342, 406, 474, 535, 600, 781, 851

Current Literature 47, 139, 200, 275, 344, 408, 476, 537, 602, 730, 786, 854

Society Affairs 48, 140, 200, 276, 345, 409, 477, 538, 603, 694, 787, 855

Forestry News 78, 152, 213, 298, 353, 424, 488, 548, 612, 734, 792, 866

INDEX

Volume 54

1956

Art.—article; ed.—editorial; rev.—review; art. (rev.)—review of article or book by; n.—notes; p.v.—points of view; s.a.—society affairs; w.p.—we present. Authors are indicated by capitals.

PAGE

A

ADAMS, LOWELL, art. 238
Adjustments in Forestry Education, art. 236
Aerial Application of Potash Fertilizer to Coniferous Plantations, art. 762
Age at D.B.H. as a Variable in the Site Index Concept, Use of, n. 340
Age of Oak "Seedlings," n. 774
Air Movement Under an Aspen Forest and on an Adjacent Opening, n. 468
ALEXANDER, R. R., art. 99
ALLEN, R. M., n. 193
ALLISON, J. H., art. 446
American Forestry Association's First Eighty Years, The, art. 163
American Universities and Colleges, rev. 406
Annual Meeting, s.a. 538, 603, 696
Annual Meeting, The 55th, art. 6
Applying The Oxford System in America, art. 325
Arctic Wilderness, rev. 600
Aspen Cutover Areas in Northern Wisconsin, Regeneration of, art. 13
Are Ponderosa Pine Cone Crops Predictable?, n. 778
Ash Trees, Grubs in the Trunks of Live Green, n. 846

B

BAIRD, GUY, art. 11
Baker, Harry Lee, w.p. 402
Bale Storage Effective for Loblolly Pine Seedlings, art. 815
Banker Looks at Forest Credit, A, art. 227
BARNES, GEORGE H., art. 177
BARNES, KEITH WILTON, art. (rev.) 782
BARRACLOUGH, SOLON, rev. 535
Bates, Carlos Glazier: Pioneer Silviculturist 1885-1949, w.p. 272
Be Expert with Map and Compass, rev. 536
BECKWITH, L. C., n. 268
BENEDICT, MURRAY R, art. (rev.) 196
BENNETT, FRANK A., n. 267
BERCAW, T. E., n. 779
BERGE, ANSGAR, R., art 227
Bias in Timber Volume Estimates Caused by Rounding off D.B.H. and Merchantable Length Measurements, art. 769
Birch, paper, by Red Squirrels in Alaska, Damage to, art. 31
Bird Repellent for Direct Seeding of Longleaf Pine, A., n. 190
Bitterlich's Method of Plotless Cruising, n. 41
BLAIR, ROBERT M., art. 238
Blister Rust in the Northeast, Fifty Years of White Pine, art. 435
Board Foot-Bolt Foot Volume Ratios for White Oak Cooperage Logs, art. 452
Boron Level and Boron Toxicity in Red and White Pine, art. 11
BOYCE, STEPHEN G., n. 774
BRENNEMAN, WILLIAM S., n. 775
BRIEGLEB, P. A., art. 674
BRUNER, MARLIN H., rev. 781
BRYAN, MACKAY B., art. 442
BURCKEL, CHRISTIAN E., art. (rev.) 406
BUTCHER, DEVEREUX, art. (rev.) 46
Bylaw 5, s.a. 858
Bylaw 6, s.a. 858
Bylaw 6—What Does and Should It Mean?, s.a. 856

C

Calculation of the Sampling Error of a Cruise from the Mean Square Successive Difference, The, n. 341
California and the Southwest, rev 852
Can the Shelterwood Method Successfully Regenerate Longleaf Pine?, art. 258
Can We Solve the Farm Problem?, rev. 196
Canadian Institute of Forestry, art. 759
Canadian Pulp and Paper Association, art. (rev.) 600
Carlos Glazier Bates: Pioneer Silviculturist 1885-1949, w.p. 272
CARNES, E. T., n. 340
CARTER, VERNON GILL, art. (rev.) 343
CARVELL, KENNETH L., n. 271, art. 525
CECH, FRANKLIN C., art. 750
Chandler, Bernard A., (1884-1956), s.a. 479
Changes in Some Physical Soil Properties After a Prescribed Burn in Young Ponderosa Pine, art. 439
Chapman, Gordon Lewis (1917-1956), s.a. 530
Chapter, Milwaukee, Makes Merit Badge Clinic Continuing Project, s.a. 257
Check List for Timber Sale Contracts, A, art. 246
Chemical Debarking of Some Pulpwood Species, rev. 535
Chemicals in Controlling Forest Stand Composition in the Duke Forest, Use of, art. 525
Chipola Chimney: A Cone Kiln for Research Use, The, n. 845
Christmas Tree Data, 1955, n. 843
CLAPP, ROBERT T., n. 596
Clarence S. Herr, Industrial Forester, w.p. 848
Clark, E. T. (1886-1956), s.a. 517
CLEPPER, HENRY, rev. 342, 406, art. 455, rev. 475, 782, w.p. 848
Cloquet Experimental Forest, Twenty-Five-Year Summary of Red Pine Thinning Plots:, art. 512
COATES, JAMES D., art. 759
Collection of World Forest and Forest Product Statistics, n. 531
College Blue Book, The, rev. 406
Colleges and Universities in the United States Offering Instruction in Forestry (May 1, 1956), s.a. 346
Colman, Edward A. (1910-1956), s.a. 331
Coming Events, s.a. 16, 129, 187, 271, 349, 390, 478, 534, 581, 788, 859
Comments on "A Site Evaluation Concept," p.v. 195, 404
Comments on "Some Treatment Effects in Loblolly and Shortleaf Pine Reproduction," p.v. 194
Comments on "The Variable Plot Method of Cruising," p.v. 41
Committee Named to Study Indians' Forest Problems, s.a. 71
Committees and Representatives, Society, s.a. 284
Comparison of Lead Arsenate, Methoxychlor, and Benzene Hexachloride for control of White Pine Weevil, n. 134
Complete Frilling Essential for Hardwood Control, n. 340
Cone Kiln for Research Use, The Chipola Chimney: A, n. 845
Coniferous Plantations, Aerial Application of Potash Fertilizer to, art. 762
Coniferous Wood Samples, A Method for Determining Percent Summerwood in, art. 756
Contracts, A Check List for Timber Sale, art. 246
Conversion in Loblolly Pine—Hardwood Region, Economic Aspects of Type Maintenance and, art. 371
COOPER, CHARLES F., rev. 784
Correction 176, 275, 341, 761
Cost of Seed Collection from a Pine Seed Production Area, art. 750
Costs and the Theory of Relative Forest Rent, Stand Establishment, art. 503
COTHREN, VIRGIL W., art. 637
Cottonwood and Carolina Poplar, Topophysics and Other Influences on Growth of Cuttings from Black, n. 471
COULTER, W. K., art. 322
Council Meeting, Report of, s.a. 277
COYNE, J. F., n. 193
Credit, A Banker Looks at Forest, art. 227
CROKER, THOMAS C., JR., art. 258, n. 401
CRUIKSHANK, JAMES W., art. 629
Cruikshank, James W. (1908-1956), s.a. 411
Cruising, Bitterlich's Method of Plotless, n. 41
Cruising Designs on Small Tracts in North Arkansas, Efficiency of Several, art. 569
Cruising Tested in Upland Hardwoods, Plotless Timber, n. 844
CUMMINGS, WILLIAM H., art. (rev.) 136
Cut Without a Type Map in Forests of Western Washington and Western Oregon, Estimating Allowable, art. 522

PAGE

Cylindrical Screen for Protecting Direct Seedings of Forest Tree Species, A, art. 183
Cypress, Arizona, Durability of Alabama-Grown, n. 400
CZABATOR, F. J., art. (rev.) 535

D

DAHLBERG, BURTON L., art. (rev.) 852
DALE, TOM, art. (rev.) 343
Damage to Paper Birch by Red Squirrels in Alaska, art. 31
DANA, SAMUEL TRASK, art. 163, art. (rev.) 342
DANIEL, T. W., n. 41
DARBY, S. P., art. 579
DARLING, F. FRASER, art. (rev.) 784
DAVIS, BROWARD, n. 845
DAVIS, KENNETH P., art. 811
DAVIS, V. B., n. 269
Debarking, The Frill: A New Technique in Chemical, art. 329
Decay Following Thinning of Sprout Oak Clumps, art. 26
Deer and Ponderosa Pine, Management of White-Tailed, art. 238
Deer, White-Tailed, on a Mature Northern Hardwood Forest, Effect of, art. 391
DEERING, ROBERT B., n. 399
DEITSCHMAN, GLENN H., n. 844
DEMMON, E. L., art. 674
DERR, HAROLD J., n. 190
Deterioration of Beetle-Killed Pacific Silver Fir, art. 322
Determination of Desirable Growing Stock—A Central Problem of Forest Management, art. 811
Dewinger, Georgia's New, art. 579
Dils, Robert E., Appointed to Editorial Board, s.a. 414
DINGLE, RICHARD WM., art. 832
Directory of Membership, s.a. 374
Disease Research in the South, Forest, art. 656
Division Officers, s.a. 286
Douglas-fir as Interpreted from British Yield Tables, Intermediate Yields of, art. 177
Douglas-fir, Evidence of Shock Following Thinning of Young, n. 339
Douglas-fir Trees, Effect of Controlled Release on Growth of Individual, art. 567
DROOZ, A T., n. 268
Dudley, Ernest G. (1880-1955), s.a. 77
Dues Deadline June 30, s.a. 371
DUFFIELD, JOHN W., p.v. 599, 780
Durability of Alabama-Grown Arizona Cypress, n. 400
Dwarfmistletoe Survey and Control on the Mescalero-Apache Reservation, New Mexico, art. 384

E

Early Test of Levels of Growing Stock in Appalachian Hardwoods, An, art. 106
Economic Aspects of Type Maintenance and Conversion in Loblolly Pine—Hardwood Region, art. 371
Economics for Forest Managers—a Changing Emphasis, art. 506
Economics, Some Statistical Needs in Forest, art. 841
Editorial Board Changes Announced, s.a. 286
Education, Adjustments in Forestry, art. 236
Education and Training of Foresters, p.v. 599
Education in America, Forestry, art. 455
Education, Progress in Professional art. 661
Effect of Controlled Release on Growth of Individual Douglas-fir Trees, art. 567
Effect of Living Shade on House Temperatures, n. 399
Effect of Pruning on the Recovery of Ice Bent Slash Pines, n. 596
Effect of White-Tailed Deer on a Mature Northern Hardwood Forest, art. 391
Effects of Prescribed Burning on Forage and Mast Production in Southern Pine Forests, art. 582
Effects of Thinning a 55-Year-Old Western White Pine Stand, art. 130
Efficiency of Several Cruising Designs on Small Tracts in North Arkansas, art. 569

PAGE

ELDREDGE, INMAN F., SR., ed. 627
Eliminating Understory Hardwoods with Summer Prescribed Fires in Coastal Plain Loblolly Pine Stands, n. 191
EMBERGER, META RILEY, art. (rev.) 274
Entomology in the South, Progress in Forest, art. 653
Erratum, see Correction
Estimating Allowable Cut Without a Type Map in Forests of Western Washington and Western Oregon, art. 522
Evidence of Shock Following Thinning of Young Douglas-Fir., n. 339
Exchange of Letters Between S.A.F. and S.C.S., s.a. 414
Exotics, Genetics *and*, p.v. 780
Exotics?, Genetics or, p.v. 473
Exposure of Loblolly Pine Planting Stock, art. 313
Extraction, Storage, and Germination of Eastern Hemlock Pollen, The, n. 269

F

Factors Affecting Small-Woodland Management in Nacogdoches County, Texas, art. 102
FASSNACHT, D. L., n. 595
Federal Taxation of Income from Timber, art. 254
FEDKIW, JOHN, art. 587
Fellows of the Society: Their Nomination and Election, s.a. 410
FENTON, RICHARD H., n. 38
FERGUSON, E. R., n. 469
Fifty Years of White Pine Blister Rust in the Northeast, art. 435
Financial Maturity—What's It Good For?, art. 587
FINN, RAYMOND F., art. 828
Fir, Pacific Silver, Deterioration of Beetle-Killed, art. 322
Fires in the South, Progress of Protection from Forest, art. 649
Fires, Prescribed, in Coastal Plain Loblolly Pine Stands, Eliminating Understory Hardwoods with Summer, n. 191
FLICK, FRANCES, art. 325
Floods, Forest Snowmelt and Spring, art. 231
FOILES, MARVIN W., art. 130
Forage and Mast Production in Southern Pine Forests, Effects of Prescribed Burning on, art. 582
Forest and Range Policy: Its Development in the United States, rev. 342
Forest Disease Research in the South, art. 656
Forest History Sources of the United States and Canada, rev. 783
Forest Inventory for Management of State Lands in Minnesota, art. 123
Forest Science Successfully Launched, s.a. 349
Forest Service Policies as They Affect the Lumber Industry: A Case Study of the Black Hills, art. 17
Forest Snowmelt and Spring Floods, art. 231
Forestry and Related Research in North America, rev. 136
Forestry as a Profession, rev. 785
Forestry Education in America, art. 455
Forestry in The Soil Bank, art. 747
Forestry in the South, rev. 781
Form Class of Loblolly and Shortleaf Pine Stands in Mississippi, A Simplified Method for Estimating, art. 185
FOSTER, A. A., art. 466
Foster, John Harold (1880-1956), s.a. 773
FRANK, BERNARD, rev. 600
Frill: A New Technique in Chemical Debarking, The, art. 329
From Forest to Front Page, rev. 535

G

GARMAN, E. H., art. (rev.) 45
Garratt, George A., DeWitt Nelson Elected S. A. F. Vice President, President, art. 3
Georgia's New Dewinger, art. 579
Genetically Similar Seedlings for Physiology Experiments, n. 190
Genetics *and* Exotics, p.v. 780

PAGE

Genetics, Insect Problems in Forest-Tree, n. 193
Genetics or Exotics?, p.v. 473
GEVORKIANTZ, S. R., art. 836
Gilmour, J. D. (1886-1955), s.a. 146
Girdled Red Oaks, A Study of Lumber Grade Recovery from Chemically, art. 243
GIROLAMI, G., art. (rev.) 535
GODDARD, RAY E., art. 750
GOEBEL, N. B., art. 452
GORDON, DONALD T., art. 771
GORDON, W. A., art. (rev.) 137
GRAHAM, SAMUEL A., n. 133
Gray Squirrel: Its Life History, Ecology and Population Characteristics in West Virginia, rev. 474
Greeley, William Buckhout (1879-1955), s.a. 43
GREEN, JAMES T., JR., n. 598
GROSENBAUGH, L. R., art. 569
Growing Stock Volumes in Unmanaged and Managed Forests, art. 378
Growth of Mature Red Pine in Minnesota, art. 446
Growth of Planted Slash Pine on Cutover Lands and Old Fields, n. 267
Grubs in the Trunks of Live Green Ash Trees, n. 846
GRUENFELD, J. J., art. 322
GUETTINGER, RALPH G., art. (rev.) 852
Guide to Sources of Information Regarding Interesting Forestry Developments in the South, s.a. 591
GYSEL, LESLIE W., p.v. 195

H

HADDOCK, P. G., p.v. 404, n. 471
HALL, MARIAN ROSS, art. (rev.) 274
HAMMERLE, W. C., art. 307
HANCOCK, W. V., n. 471
HANSBROUGH, THOMAS, art. 817
HARDEE, JAY H., p.v. 473
Harding, Alexander J. R. (1934-1956), s.a. 831
Hardwood and Pine in the South, Specialty Products from, art. 646
Hardwood Control, Complete Frilling Essential for, n. 340
Hardwood Stands, Results of Several Methods of Release of Understory Loblolly Pine in Upland, art. 188
Hardwoods, An Early Test of Levels of Growing Stock in Appalachian, art. 106
Hardwoods for Quality Increment, Managing, art. 836
Hardwoods of the Fred Russ Forest in Southwestern Michigan, Stand Conditions in the Old-Growth, art. 249
Hardwoods, Plotless Timber Cruising Tested in Upland, n. 844
HARRINGTON, T. A., n. 39
Harry Lee Baker, w.p. 402
HARTONG, A. L. art. 769
HAWES, E. T., p.v. 473
HAWKSWORTH, FRANK G., art. 384
HEATH, GORDON H., art. 34
HEBB, E. A., n. 595
HEIBERG, SVEND O., art. 7
Helicopters in Forestry, Potential Uses of, art. 817
Hemlock, Eastern, Pollen, The Extraction, Storage, and Germination of n. 269
HENRY, B. W., n. 779
HEPTING, GEORGE H., art. 656
HERBERT, PAUL A., art. 236
Herr, Clarence S., Industrial Forester, w.p. 848
HICKS, VERNON E., art. 522
HIRT, RAY R., art. 435
HODGKINS, EARL J., art. 264
HOPKINS, DONALD R., n. 534
HORN, ALLEN F., art. 185
HOSKINS, R. N., art. (rev.) 781
HUBACHECK, F. B., rev 474
HUFF, ROGER D., art. 254
HURSH, CHARLES R., rev. 196
HUSCH, BERTRAM, p.v. 41, n. 340

PAGE

I

Increment, Managing Hardwoods for Quality, art. 836
Index Tables in Southwestern Alabama, Testing Soil-Site, art. 264
Industry in the South, Pulp and Paper, art. 639
Insect Problems in Forest-Tree Genetics, n. 193
Intermediate Yields of Douglas-Fir as Interpreted from British Yield Tables, art. 177
Inventory for Management of State Lands in Minnesota, Forest, art. 123
IRWIN, MARY, art. (rev.) 406
ISENBERG, IRVING H., rev. 783

J

JAMES, LEE M., rev. 196, 851
JEFFORDS, A. I., Jr., art. 463
JOHNSON, FLOYD A., art. 522

K

KAUFERT, FRANK H., art. (rev.) 136
KAUFMAN, CLEMENS M., art. 661
KER, J. W., rev. 601
Kiefer, Francis (1887-1956), s.a. 295
Kiln for Research Use, The Chipola Chimney: A. Cone, n. 845
KING, RALPH T., art. 391
KINNEY, J. P., rev. 137
KJELLSTROM, BJORN, art. (rev.) 536
KNOX, RICHARD L., art. 123
KOHNER, WILLIAM G., rev. 852
KOWAL, R. J., art. 653
Kreutzer, William R. (1877-1956), s.a. 146
KRUEGER, MYRON, s.a. 856

L

LAMMI, J. O., n. 532
LANGDALE, HARLEY, JR., art. 643
Law of Forestry, The, rev. 137
LAY, DANIEL W., art. 582
LEEDY, DANIEL L., art. 821
Leonard, R. Boyd (1913-1956), s.a. 645
LIMSTROM, GUSTAV A., art. 828
LITTLEFIELD, E. W., n. 533
LIVINGSTON, KNOX W., n. 400, 532
Loblolly Seedling Survival After Hardwood Comtrol by 2,4,5-T, n. 39
Longleaf Pine Seedlings Damaged When Seed Trees Are Tractor-logged, n. 401
LOTTI, THOMAS, n. 191
Lumber Grade Recovery from Chemically Girdled Red Oaks, A Study of, art. 243
Lumber Industry: A Case Study of the Black Hills, Forest Service Policies as They Affect the, art. 17
Lumber: Versatile Is the Word, Southern Pine, art. 637
LUSHER, ARTHUR A., art. 384
LUTZ, H. J., art. 31
LYONS, BARROW, art. (rev.) 851

M

McCarthy, E. F. (1885-1956), s.a. 483
MCCULLOCH, W. F., rev. 785
MACON, JOHN W., art. 13
MAGUIRE, WILLIAM P., n. 778
MAKI, T. E., art. 21, 313
MALAC, BARRY F., art. 756
MALSBERGER, H. J., art. 639
Management, Determination of Desirable Growing Stock —A Central Problem of Forest, art. 811

Page

Management in Nacogdoches County, Texas, Factors Affecting Small-Woodland, art. 102
Management of State Lands in Minnesota, Forest Inventory for, art. 123
Management of White-Tailed Deer and Ponderosa Pine, art. 238
Managing Hardwoods for Quality Increment, art. 836
MANN, WM. F., JR., n. 190
Man's Role in Changing the Face of the Earth, rev. 781
MARCKWORTH, GORDON D., art. 316
MARKUS, RUDOLFS, art. 503
MARSHALL, ROBERT, art. (rev.) 600
MARSTON, RICHARD B., n. 468
MARTIN, ROSCOE C., art. (rev.) 535
Maturity—What's It Good For?, Financial, art. 587
MAY, RICHARD M., rev. 343
MEANLEY, BROOKE, n. 190
Members Named to Michigan Registration Board, s.a. 146
Membership Advancements, s.a. 482
Membership Applications and Advancements, s.a. 71, 148, 207, 295, 349, 421, 483, 545, 610, 718, 788, 859
Membership Now Exceeds 10,000, s.a. 204
Merchandising Southern Pine Lumber, art. 307
MERZ, ROBERT W., n. 774
MESAVAGE, CLEMENT, art. 569
Method for Determining Percent Summerwood in Coniferous Wood Samples, A, art. 756
MEYER, ARTHUR B., art. (rev.) 785
MEYER, H. ARTHUR, n. 341
Meyer, H. Arthur (1908-1955), s.a. 37
MIELKE, JAMES L., art. 518
MIGNERY, A. L., art. 102
MILLER, HOWARD A., rev. 46, 474
MILLER, SHARON R., art. 756
MILLER, WILLIAM D., art. 188
MIXON, JAMES E., art. 649
MOBLEY, M. D., art. (rev.) 781
More on Late Seasonal Growth of Red Pine, n. 533
MORELAND, D. F., art. (rev.) 535
Mortality in Eastern Washington Pine Plantations, Pocket Gophers as a Cause of, art. 832
Mulch Not Beneficial to Seedlings on Deep Sands, n. 595
MUNNS, E. N., rev. 784
Munster, Norman L. (1902-1956), s.a. 290

N

Natural Forest Vegetation Zones of New England, art. 332
Nature's Guardians, rev. 851
Naval Stores, art. 643
NEAL, HARRY EDWARD, art. (rev.) 851
Necrology, s.a. 205
NEIDERHEISER, CLODAUGH M., art. (rev.) 783
NEILS, GEORGE, art. 238
Nelson, DeWitt, George A. Garratt Elected S.A.F. President, Vice President, art. 3
NEWPORT, CARL A., art. 17
NIENSTAEDT, HANS, n. 269
1955 Christmas Tree Data, n. 843
Notes on Forestry Research in Yugoslavia, n. 472
Nursery Effects on Yellow-Poplar Plantations, Seed Source and, art. 828

O

Oak Clumps, Decay Following Thinning of Sprout, art. 26
Oak Cooperage Logs, Board Foot-Bolt Foot Volume Ratios for White, art. 452
Oak "Seedlings," Age of, n. 774
Officers and Council, s.a. 48, 140, 201, 276, 345, 409, 477, 538, 603, 694, 787, 855
OLSON, HERMAN F., rev. 852
OLSON, SIGURD F., art. (rev.) 474
Opening Case-Hardened Southern Pine Cones, art. 466
Opportunities in Foreign Forestry Employment, s.a. 480

Page

ORDWAY, SAMUEL H., art. (rev.) 406
ORR, L. W., art. 653
Osborne, W. B., Jr. (1884-1955), s.a. 77
Osborne Tree Cone Cutting Knife, n. 534
Other Side of the Mountain, The, art. 375
Oxford System in America, Applying the, art. 325

P

Pales Weevil, Preplanting Dip for Controlling, n. 469
PATRIC, EARL, F., art. 391
Pelican in the Wilderness, rev. 784
Physiology Experiments, Genetically Similar Seedlings for, n. 190
Pin-Pointing, a Surveying Technique for Foresters, art. 34
Pine, Changes in Some Physical Soil Properties After a Prescribed Burn in Young Ponderosa, art. 439
Pine Cones, Opening Case-Hardened Southern, art. 466
Pine in Minnesota, The Growth of Mature Red, art. 446
Pine in the South, Specialty Products from Hardwood and, art. 646
Pine, Loblolly—Hardwood Region, Economic Aspects of Type Maintenance and Conversion in, art. 371
Pine, Loblolly, in the North Carolina Piedmont, Some Effects of Depth on Planting upon, art. 21
Pine, Loblolly, in Upland Hardwood Stands, Results of Several Methods of Release of Understory, art. 188
Pine, Loblolly, Planting Stock, Exposure of, art. 313
(Pine), Loblolly, Seedling Survival After Hardwood Control by 2,4,5-T, n. 39
Pine, Loblolly, Seedlings, Bale Storage Effective for, art. 815
Pine, Loblolly, Stands, Eliminating Understory Hardwoods with Summer Prescribed Fires in Coastal Plain, n. 191
Pine, Loblolly, Stands in Mississippi, A Simplified Method for Estimating Form Class of, art. 185
Pine, Lodgepole, in the Central Rocky Mountains, Two Methods of Thinning, art. 99
Pine, Lodgepole, The Rust Fungus (Cronartium stalactiforme) in, art. 518
Pine, Longleaf, A Bird Repellent for Direct Seeding of, n. 190
Pine, Longleaf, Can the Shelterwood Method Successfully Regenerate, art. 258
Pine, Longleaf, Seedlings Damaged When Seed Trees Are Tractor-logged, n. 401
Pine, Longleaf, Seedlings, Seed Trees Retard, n. 269
Pine Lumber, Merchandising Southern, art. 307
Pine Lumber: Versatile Is the Word, Southern, art. 637
Pine Plantations, Pocket Gophers as a Cause of Mortality in Eastern Washington, art. 832
Pine, Plastic Tubes for Controlled Pollination of, n. 135
Pine, Ponderosa, Cone Crops Predictable?, Are, n. 778
Pine, Ponderosa, Management of White-Tailed Deer and, art. 238
Pine Pulpwood Marketing in the South, Trends in, art. 463
Pine, Red and White, Boron Level and Boron Toxicity in, art. 11
Pine, Red, Indigenous to Illinois?, n. 775
Pine, Red, More on Late Seasonal Growth of, n. 533
Pine, Red, Summer Shoots Cause Permanent Damage to, n. 271
Pine, Red, Thinning Plots: Cloquet Experimental Forest, Twenty-Five-Year Summary of, art. 512
Pine, Red, White Pine Weevil Attacking, n. 133
Pine Seed Production Area, Cost of Seed Collection from a, art. 750
Pine, Shortleaf, Stands in Mississippi, A Simplified Method for Estimating Form Class of Loblolly and, art. 185
Pine, Slash, on Cutover Lands and Old Fields, Growth of Planted, n. 267
Pine, Slash, Outside its Natural Range, Reproduction of, n. 532
Pine Stands—Aerial or Underground Fifth Column?, Upland Hardwoods in South Arkansas, art. 585
Pine, Virginia, Pound Poles: A Profitable Market for, n. 38

Page

Pine, Western White, Stand, Effects of Thinning a 55-Year-Old, art. 130
Pines Free of Fusiform Rust After 5 Years' Exposure, Shortleaf-Loblolly Hybrid, n. 779
Pines, Slash, Effect of Pruning on the Recovery of Ice Bent, n. 596
Plans Under Way for Society of American Foresters 56th Annual Meeting, s. a. 349
Plantation Success in the Harvard Forest as Related to Planting Site and Cleaning, 1907-1947, art. 577
Planting upon Loblolly Pine in the North Carolina Piedmont, Some Effects of Depth of, art. 21
Plastic Tubes for Controlled Pollination of Pine, n. 135
Plotless Timber Cruising Tested in Uplands Hardwoods, n. 844
Plots, A Simplified Method of Correcting for Slope on Circular Sample, art. 442
PLUMMER, HENRY A., rev. 536
Pocket Gophers as a Cause of Mortality in Eastern Washington Pine Plantations, art. 832
Pollen, The Extraction, Storage, and Germination of Eastern Hemlock, n. 269
Pollination, A Syringe for Pine, n. 598
Pollination of Pine, Plastic Tubes for Controlled, n. 135
Poplar, Topophysics and Other Influences on Growth of Cuttings From Black Cottonwood and Carolina, n. 471
Potash Fertilizer to Coniferous Plantations, Aerial Application of, art. 762
Potential Uses of Helicopters in Forestry, art. 817
POULTON, CHARLES E., rev. 45
Pound Poles: A Profitable Market for Virginia Pine, n. 38
Preplanting Dip for Controlling Pales Weevil, n. 469
Prescribed Burning on Forage and Mast Production in Southern Pine Forests, Effects of, art. 582
President's Column, s.a. 48, 141, 201, 276, 348, 410, 477, 542, 609, 628, 787, 856
PRESNALL, CLIFFORD C., rev. 851
Progress and Problems of Southern Forestry, ed. 627
Progress in Forest and Related Research in the South, art. 674
Progress in Forest Entomology in the South, art. 653
Progress in Professional Education, art. 661
Progress of Protection from Forest Fires in the South, art. 649
PRONIN, DIMITRI, n. 472
Prosperity Beyond Tomorrow, rev. 406
Pruning on the Recovery of Ice Bent Slash Pines, Effect of n. 596
Publications of Interest, 46, 138, 199, 274, 343, 407, 475, 536, 601, 785
Pulp and Paper Industry in the South, art. 639
Pulp and Paper Prospects in Latin America, rev. 782

R

RANDALL, C. A., art. 458
Range Management, rev. 45
RECKNAGEL, A. B. rev. 45, 535
Red Pine Indigenous to Illinois?, n. 775
Regeneration of Aspen Cutover Areas in Northern Wisconsin, art. 13
Regeneration Problems and Their Silvicultural Significance in the Coastal Forests of British Columbia, rev. 45
Regeneration Research, Use of Temperature Pellets, In, art. 311
Reid, Kenneth A., (1895-1956), s. a. 480
REINES, MERVIN, n. 598
Release on Growth of Individual Douglas-Fir Trees, Effect of Controlled, art. 567
Rent, Stand Establishment Costs and the Theory of Relative Forest, art. 503
Report of Officers, Staff, Committees, Council Meeting, and Divisions, s. a. 49
Reproduction of Slash Pine Outside Its Natural Range, n. 532
Research in the South, Progress in Forest and Related, art. 674
Results of Several Methods of Release of Understory Loblolly Pine in Upland Hardwood Stands, art. 188

Page

REYNOLDS, R. R., art. 585
RHODES, ARNOLD D., n. 134
ROBERTS, EDWARD G., n. 596, 846
Rodents, Seed Spot Methods of Censusing Forest, art. 180
ROMEISER, GEORGE C., art. 633
ROSA, J. M., art. 231
ROSECRANS, W. S., art. 375
ROTH, ELMER R., art. 26
RUDOLPH, VICTOR J., art. 249
RUSHMORE, FRANCIS M., art. 329
Rust Fungus (Cronartium stalactiforme) in Lodgepole Pine, art. 518
Rust, Fusiform, After 5 Years' Exposure, Shortleaf-Loblolly Hybrid Pines Free of, n. 779

S

S. A. F. Consulting Foresters Directory to Be Published, s. a. 545
Samples, A Simplified Technique for Securing Wood, n. 40
Sampling Error of a Cruise from the Mean Square Successive Difference, The Calculation of the, n. 341
SANTAMOUR, FRANK S., Jr., n. 269
SARTZ, RICHARD S., art. 499
SATTERLUND, DONALD R., n. 133
Sawfly Outbreak, Tamarack Mortality in Minnesota Due to Larch, n. 268
SCHANTZ-HANSEN, T., art. 512
Schedule of Events for S. A. F. Annual Meeting, s. a. 479
SCHMIDT, ORVEL A., art. 243
SCHOENIKE, ROLAND E., n. 135
SCHOLZ, H. F., art. 183
School Box Score, s. a. 42, 140, 202, 248, 328, 409, 478, 543, 609, 758, 847
Schools of Forestry for 1955: Degrees Granted and Enrollments, Statistics from, art. 316
SCHWANKL, ALFRED, art., (rev.) 475
Scientific Writing, rev. 274
Scribner Rule for Small Logs Needed, Standardized Values by, p. v. 473
Section, Appalachian, Opposes Minimum Cutting Diameter Recommendation for Virginia, s.a. 290
Section Box Score, s. a. 42, 140, 202, 248, 328, 409, 478, 543, 609, 758, 847
Section Meeting, Allegheny, s. a. 288, 788
Section meeting, Appalachian, s. a. 204
Section Meeting, Central States, s. a. 787
Section Meeting, Columbia River, s. a. 417
Section Meeting, Gulf States, s.a. 610
Section Meeting, Inland Empire, s.a. 288
Section Meeting, Kentucky-Tennessee, s.a. 144, 544
Section Meeting, New York, s.a. 290, 544
Section Meeting, Northern California, s.a. 141, 420
Section Meeting, Northern Rocky Mountain, s.a. 543
Section Meeting, Southeastern, s.a. 204
Section Meeting, Southern California, s.a. 142, 544
Section Meeting, Southwestern, s.a. 610
Section Meeting, Washington, s.a. 479
Section Meeting, Wisconsin-Michigan, s.a. 859
Sections Report on Publication of "Western Forester," s.a. 420
Seed Collection from a Pine Seed Production Area, Cost of, art. 750
Seed Source and Nursery Effects on Yellow-Poplar Plantations, art. 828
Seed Spot Methods of Censusing Forest Rodents, art. 180
Seed Trees Retard Longleaf Pine Seedlings, n. 269
Seeded Preparation by Tractor, Slash Disposal and, art. 771
Seeding of Longleaf Pine, A Bird Repellent for Direct, n. 190
Seedings of Forest Tree Species, A Cylindrical Screen for Protecting Direct, art. 183
"Seedlings," Age of Oak, n. 774
Seedlings for Physiology Experiments, Genetically Similar, n. 190
Seedlings on Deep Sands, Mulch Not Beneficial to, n. 595
Seedlings, Seed Trees Retard Longleaf Pine, n. 269
Seeing America's Wildlife in Our National Refuges, rev. 46

Page

SETTEL, LEE S., art. 515
Shade on House Temperatures, Effect of Living, n. 399
Shaw, Earle Eaton (1893-1956), s.a. 295
SHAW, ELMER W., rev. 274
Shaw, T. Edward (1897-1956), s.a. 205
Shelterbelts, The Spacing Intervals for Supplemental, art. 115
Shelterwood Method Successfully Regenerate Longleaf Pine, Can the, art. 258
Shoots Cause Permanent Damage to Red Pine, Summer, n. 271
Shortleaf-Loblolly Hybrid Pines Free of Fusiform Rust After 5 Years' Exposure, n. 779
SHOULDERS, EUGENE, art. 824
Shulley, F. J. (1900-1956), s.a. 146
SILEN, ROY R., art. 311
Simplified Method for Estimating Form Class of Loblolly and Shortleaf Pine Stands in Mississippi, A., art. 185
Simplified Method of Correcting for Slope on Circular Sample Plots, art. 442
Simplified Technique for Securing Wood Samples, A, n. 40
Singing Wilderness, rev. 474
Site and Cleaning, 1907-1947, Plantation Success in the Harvard Forest as Related to Planting, art. 577
Site Evaluation Concept, A, art. 7
"Site Evaluation Concept," Comments On, p.v. 195, 404
Site Index Concept, Use of Age at D.B.H. as a Variable in the, n. 340
Slash Disposal and Seedbed Preparation by Tractor, art. 771
SLOCUM, G. K., art. 21, 313
Slope on Circular Sample Plots, A Simplified Method of Correcting for, art. 422
SMITH, ARTHUR D., art. (rev.) 45
SMITH, J. H. G., p.v. 404, n. 471
SMITH, R. F., art. (rev.) 535
SMITH, WALTON R., art. 646
Snow Storage and Melt in a Northern Hardwoods Forest., art. 499
Snowmelt and Spring Floods, Forest, art. 231
Society Committees and Representatives, s.a. 284
Soil Bank, Forestry In The, art. 747
Soil Properties After a Prescribed Burn in Young Ponderosa Pine, Changes in Some Physical, art. 439
Some Effects of Depth on Planting upon Loblolly Pine in the North Carolina Piedmont, art. 21
Some Factors Affecting Management of Conifers and Hardwoods in the Allegheny Region, art. 563
Some Statistical Needs in Forest Economics, art. 841
"Some Treatment Effects on Loblolly and Shortleaf Pine Reproduction," Comments on, p.v. 194
Southeast Hardwood Distribution from Stump to User, art. 515
Southern Hardwood Lumber Industry, the, art. 633
Southern Pine Lumber: Versatile is the Word, art. 637
South's Forest Resource, The, art. 629
SOWDER, A. M., n. 843
SOWERS, DAVID W., art. 563
Spacing Intervals for Supplemental Shelterbelts, The, art. 115
Specialty Products from Hardwood and Pine in the South, art. 646
Springer, Willard (1886-1956), s.a. 242
SPURR, STEPHEN H., art. 446, 577
STAEBLER, GEORGE R., n. 339, art. 567
Stand Composition in the Duke Forest, The Use of Chemicals in Controlling Forest, art. 525
Stand Conditions in the Old-Growth Hardwoods of the Fred Russ Forest in Southwestern Michigan, art. 249
Stand Establishment Costs and the Theory of Relative Forest Rent, art. 503
Standardized Values by Scribner Rule for Small Logs Needed, p.v. 473
Statistical Needs in Forest Economics, Some, art. 841
Statistics from Schools of Forestry for 1955: Degrees Granted and Enrollments, art. 316
STEFFERUD, ALFRED, art. (rev.) 196
Stock in Appalachian Hardwoods, An Early Test of Levels of Growing, art. 106
STODDARD, CHARLES H., art. 841
STODDART, LAURENCE A., art. (rev.) 45
STOECKELER, J. H., art. 13, 183

Page

STOLTENBERG, CARL H., art. 371, 506
STONE, E. L., art. 11
Storage Effective For Loblolly Pine Seedlings, Bale, art. 815
Strength and Related Properties of Tanoak, art. 458
Study of Lumber Grade Recovery from Chemically Gridled Red Oaks, A, art. 243
Submission to Royal Commission on Canada's Economic Prospects, rev. 600
Summer Shoots Cause Permanent Damage to Red Pine, n. 271
Summerwood in Coniferous Wood Samples, A Method for Determining Percent, art. 756
Surveying Technique for Foresters, Pin-Pointing, A, art. 34
SWINGLER, W. S., art. 747
Syringe for Pine Pollination, n. 598

T

Tamarack Mortality in Minnesota Due to Larch Sawfly Outbreak, n. 268
Tanoak, Strength and Related Properities of, art. 458
TARRANT, ROBERT F., art. 439
Tax Assessment of Forest Land and Timber Shows Improvement, art. 172
Taxation of Income from Timber, Federal, art. 254
Temperature Pellets in Regeneration Research, Use of, art. 311
Testing Soil-Site Index Tables in Southwestern Alabama, art. 264
TEVIS, LLOYD, JR., art. 180
THATCHER, R. C., n. 469
Theodore Roosevelt's America, rev. 136
Thinning a 55-Year-Old Western White Pine Stand, Effects of, art. 130
Thinning Young Lodgepole Pine in the Central Rocky Mountains, Two Methods of, art. 99
THOMAS, WILLIAM L., art. (rev.) 781
THORNTON, P. L., art. 769
Timber Stand Improvement in Ozark Forests—an Appraisal After 15 Years, art. 824
TISSUE, OSCAR C., art. 188
Tomorrow's Birthright: A Political and Economic Interpretation of our Natural Resources, rev. 851
Topophysis and Other Influences on Growth of Cuttings From Black Cottonwood and Carolina Poplar, n. 471
Topsoil & Civilization, rev. 343
Trends in Pine Pulpwood Marketing in the South, art. 463
TRIMBLE, GEORGE R., art. 499
Twenty-Five-Year Summary of Red Pine Thinning Plots: Cloquet Experimental Forest, art. 512
Two Methods of Thinning Young Lodgepole Pine in the Central Rocky Mountains, art. 99

U

UHLIG, HANS G., art. (rev.) 474
UNITED NATIONS FOOD AND AGRICULTURE ORGANIZATION, art. (rev.) 782
Upland Hardwoods in South Arkansas Pine Stands—Aerial or Underground Fifth Column?, art. 585
URSIC, S. J., art. 815
Use of Age at D.B.H. as a Variable in the Site Index Concept, n. 340
Use of Chemicals in Controlling Forest Stand Composition in the Duke Forest, art. 525
Use of Temperature Pellets in Regeneration Research, art. 311

V

Volume Estimates Caused by Rounding off D.B.H. and Merchantable Length Measurements, Bias in Timber, art. 769
Volume Ratios for White Oak Cooperage Logs, Board Foot-Bolt Foot, art. 452

Page

W

WAGAR, J.V.K., rev. 136, 406, 782
WAHLENBERG, W. G., art. 106
WALKER, L. C., n. 269, 340
WALKER, NAT, art. 378
WALLÆN, ARNOLD F., rev. 343
Water: the Yearbook of Agriculture, 1955, rev. 196
WEBB, WILLIAM L., art. 391
Weddell, D. J. (1903-1956), s.a. 479
Weevil Attacking Red Pine, White Pine, n. 133
Weevil, Comparison of Lead Arsenate, Methoxychlor, and Benzene Hexachloride for Control of White Pine, n. 134
WENGER, Karl F., p.v. 194
WESTVELD, MARINUS et. al, art. 332
What Wood is That?, rev. 475
WHEELER, P. R., art. 629
WHITE, DONALD P., art. 7, 762
White Pine Weevil Attacking Red Pine, n. 133
White-Tailed Deer in Wisconsin, The, rev. 852
WHITMAN, J. ATWOOD, art. 246
WILCOX, HUGH, art., (rev.) 535
Wilderness Camping and How to Enjoy It, rev. 782
Wildlife Society, The, art. 821
WILEY, FARIDA A., art. (rev.) 136
WILLIAMS, ELLIS T., art. 172
Williams, Kinne F. (1892-1956), s.a. 502
Wilm, H. G., Appointed to Governing Board of Agricultural Research Institute, s.a. 144
WILSON, THOMAS K., n. 40
Winters, Donald W. (1906-1956), s.a. 480
Wirka, R. M. (1896-1956), s.a. 207
WOODRUFF, N. P., art. 115
WOODS, F. W., n. 595
WRIGHT, ERNEST, art. 322
WYCKOFF, STEPHEN N., rev. 136

Y

Yellow-Poplar Plantations, Seed Source and Nursery Effects on, art. 828
Yield Tables, Intermediate Yields of Douglas-Fir as Interpreted from British, art. 177
YOHO, JAMES G., art. 587

Z

ZAHNER, ROBERT, n. 190
ZIERER, CLIFFORD N., art. (rev.) 852
ZOBEL, BRUCE J., art. 750
Zon, Raphael, (1874-1956), s.a. 850
Zones of New England, Natural Forest Vegetation, art. 332

INDEX TO ADVERTISERS

Page

Activo Process 78
Adirondack Forestry 742
Aeromotor Co. 301, 348, 425, 558, 733, 874
Ahler, Ernest E. 743
Allis-Chalmers 82, 209, 347, 487, 706, 803
American Chemical Paint Co. 677
American Tobacco Co. 697
American Turpentine Farmers Association 710
Angelina County Lbr. Co. 718
Armstrong Forest Co. 797
Atkinson, S. Gayley 84, 150, 215, 297, 365, 421, 493, 557, 619, 741, 805, 873
Audio Equipment 69, 146, 220, 290, 360

Bango, Henry L. 741
Banzhaf & Co., George 84, 148, 214, 296, 364, 420, 492, 556, 618, 740, 804, 872
Bartlett Mfg. Co. 69, 153, 204, 286, 350, 431, 486, 553, 623, 715, 802, 866
Belanger & Bourget 84, 148, 214, 296, 364, 420, 492, 556, 618, 742, 804, 872
Bernard Food Industries 83, 158
Bigley & Feiss 739
Blair, George D. 742
Blue Jet Chain 282
Bowaters Southern Paper Co. 727
Bozett, William J. 215, 297, 365, 421, 493, 557, 619, 741, 805, 873
Bradley Lbr. Co. 712
Brady, Joe H., & Associates 666
Bruce, E. L. 681
Bruns, Paul 739, 862
Buckeye Cellulose Co. 719

Calder Lester E. and Douglas G. 70, 157, 216, 730
Camp & Trail Outfitters 692
Canterbury, Nathan D. 743
Cards of Wood 710, 791
Carpenter, Carl M. 743
Caterpillar Tractor Third Covers, 699
Chain Saw Age 802
Champion Paper & Fibre Co. 729
Chipman Chemical 285
Clancy Lbr. Co. 676
Clark, Thomas G. 85, 150, 215, 297, 365, 421, 493, 557, 619, 743, 805 873
Cleveland Cliffs Iron Co. 736
Clifton, Thomas C. 85, 150, 215, 297, 365, 421, 740, 805, 873
Cobb, D. I. 738
Collins Pine Co. 715
Coosa River Newsprint Co. 728
Council Tool Co. 716
Cox, William T. 743
Crane Mills 668
Cranston, Keith 84, 148, 215, 296, 364, 420, 492, 556, 618, 742, 804, 872
Crossett Lbr. Co. Third Cover (Oct.)
Cumberland Case Co. 734

Davis, John F. 739
Davis, Paul B. 740
Dedeaux, Randle 743
Dow Chemical 147, 370, 498, 689

Eagle Mfg. Co. 199, 482, 688
Eastman, Wm. A. 85, 150, 215, 297, 365, 421, 493, 557, 619, 738, 805, 873
Esse Radio Co. 705
Evergreen Nursery Co. 152, 303, 425, 548, 733
Farmcraft Associates, Inc. 85, 149, 215, 297
Fechheimer Bros, 216, 286, 356, 416, 486, 558, 616, 730, 802, 874
Fenner and Day 547, 730
Fordyce Lbr. Co. 713
Forest Seeds of Calif. 70, 154, 221, 622, 708, 798, 874
Forestry Associates 216, 286, 730

	Page
Forestry Suppliers, Inc. 2, 142, 145, 146, 149, 152, 154, 156, 157, 158, 159, 198, 289, 295, 349, 351, 366, 414, 417, 424, 434, 485, 488, 552, 559, 614, 619, 683, 684, 685, 686, 746,	863
Fraunberger, R. C.	743
Friend, E. A.	740
Gair Co., Inc., Robert	679
Gamble Bros.	736
Gaylord Container Corp.	731
Georgia Pacific Corp.	680
Goodwin & Davis	743
Great Northern Paper Co.	696
Gulf States Paper Corp.	707
Guiney, R., Librarian 356,	622
Hale Fire Pump 68, 157, 204, 290, 356, 429, 488, 550, 620, 723, 801,	866
Hall, A. G. 85, 149, 215, 297, 365, 421, 493, 557, 619, 741, 805,	873
Hall, Jack M. 85, 149, 215, 493, 557, 619, 740, 805,	873
Hamer Lbr. Co., J. P.	668
Hammon, Jensen & Wallen 738, 804,	872
Hammond Lbr. Co.	708
Harodikes, Inc.	156
Havahart	70
Haynes Mfg. Co. 79, 159, 298, 415, 554, 674,	868
Hazard, J. O. 802,	874
Hines Lbr. Co., Edward	709
Homelite Corp. Back Covers, 418,	419
Howerton, T. M., Jr.	740
Hyster Co.	735
International Paper Co.	721
Jacobs, Stephen L.	743
Johnson, F. J. G.	740
Jotter, E. V.	743
Keedwell & Co., S. G.	741
Keene Forestry Association 349, 417, 485, 547, 622, 730, 798,	869
Keuffel & Esser Co.	80
Kimberly-Clark Corp.	722
Kirby Lbr. Co.	672
Knapp, G. E.	743
Knoth & Co., Robert F.	739
Koppers Co., Inc. 226, 361, 413,	726
Kurfew, Inc. 79, 157, 208, 299, 348, 425, 485, 548, 616, 730, 798,	869
Lamb, F. B.	741
Lemieux, Frank J. 85, 149, 215, 297, 365, 421, 493, 557, 619, 742, 805,	873
Lind Co., A. L. 83, 158, 204, 284, 348, 417, 485, 558, 622, 730, 798,	869
Lombard Governor Corp.	727
Long-Bell Lbr. Co.	694
Lowther Co., Harry A. 78, 159, 205, 303, 358, 416, 483, 558, 622, 692, 798,	869
Lufkin Rule 220, 352, 484, 615,	793
Mall Tool Co. 69, 143, 219, 287, 359, 427, 490, 551, 617, 671, 792,	861
Mann Edge Tool Co.	800
Marathon Corp.	687
Marden Mfg. Co.	621
Martin, Clyde S.	740
McCulloch Motors 73, 162, 367, 667, 776,	777
McGraw-Hill	700
Mead Papers, Inc.	695
Meadows, Ben 626, 799,	867
Melin Meteorological 70, 156, 205, 286, 351, 417, 493, 558, 620, 725, 802,	874
Meteer, J. W. 84, 150, 215, 297, 365,	421
Michigan-California Lbr. Co.	723
Midvale Chemical Co. 355, 430, 495, 547, 620, 682, 807,	864
Mill Engineering & Supply Co.	691
Mosinee Paper Mills	704
Motorola Fourth Cover, 211, 291, 555, 703,	864
Musser Forests, Inc. 69, 146, 220, 302, 360, 417, 486, 559, 614, 734, 801,	866
Nekoosa-Edwards Paper Co.	675
Nelson Co. 71, 151, 212, 282, 355, 429, 491, 553, 623, 701, 807,	864
Nickey Bros.	714
Niedecken Co., H.	725
Niedner's Sons Co. 221, 284, 353,	796
Northeast Forestry Service 85, 150, 215, 297, 365, 421, 493, 557, 619, 743, 805,	873
Northern Tree Co. 85, 149, 215, 297, 365, 421, 493, 557, 619, 741, 805,	873
Olin Mathieson Chemical Corp.	716
Oregon Saw Chain 76, 202, 352, 484, 615, Dec.	insert
Osmose Wood 155, 206, 293,	870
Page, Charles	742
Paint Creek Nurseries 221, 708,	874
Panama Pump Co. 75, 156, 208, 300, 358, 422, 491, 553, 622, 714, 802,	874
Pennsalt Mfg. Co.	702
Pomeroy & McGowin	739
Pond & Moyer Co. 85, 149, 215, 297, 365, 421, 493, 557, 619, 740, 805,	873
Poulan Saw	213
Prentiss & Carlisle, Inc. 85, 150, 215, 297, 365, 421, 493, 557, 619, 738, 805,	873
Price, William H. 85, 149, 215, 297, 365, 421, 493, 557, 619, 741, 805,	873
Puget Sound Pulp & Tbr. Co.	678
Rayonier, Inc.	711
Rich Fire Tool 77, 157, 221, 301, 349, 416, 494, 547, 622, 725, 798,	864
Riegel Paper Corp.	698
Ronald Press 72, 145,	709
Rootspred 83, 152, 205, 736, 795,	862
Ryker, Inc., Harrison C. 70, 152, 205, 303, 356, 430, 494, 558, 622, 727, 798,	862
Sainio, Eino	740
Sandhill Forestry Co.	743
Sandvik Steel, Inc. 76, 207, 360, 484, 615,	793
St. Paul & Tacoma Lbr. Co.	737
St. Regis Paper Co.	673
Schultz, C. D. & Co. 84, 148, 214, 296, 364, 420, 492, 556, 618, 742, 804,	872
Scott Paper Co.	665
Sebrell Corp., J. B. 75, 158, 213, 284, 356, 431, 495, 550, 620, 733, 798,	869
Sewall Co., J. W. 84, 148, 214, 296, 364, 420, 492, 556, 618, 739, 804,	873
Silva, Inc. 70, 152, 208, 303, 349, 416, 494, 558, 620, 708, 798,	864
Simmons, James R.	738
Simpson Logging Co.	693
Smith, A. R. 70, 144, 208, 300, 349, 417,	485
Smith Co., D. B.	Second Covers
South Carolina Insurance Co.	718
Southeastern Foresters	743
Southern Coatings & Chemical 81, 98, 203, 294, 363, 428, 489, 549, 613, 724, 794,	810
Southern Lbr. Co.	690
Southern Pulpwood Cons. Association	732

	Page
Southern Seed Co. 78, 154, 221, 301, 353, 430, 483, 558, 620, 725, 802,	864
Southern Timber Mgmt. 84, 148, 214, 296, 364, 420, 492, 556, 740,	872
Southland Paper Mills	682
Southwestern Settlement & Dev. Co.	692
Speller & Sons, Robert	306
Stebbins & Roberts, Inc.	717
Stock, John W. 85, 150, 215, 297, 365, 421, 493, 557, 619, 743, 805,	873
Sunerest Evergreen 77, 154, 210, 299, 348, 430, 486, 547, 616, 725, 802,	874
Thompson Chemicals 68, 142, 217,	288
Tillinghast & Reed	738
Timber Mgmt. Service 85, 149, 215, 297, 365, 421, 493, 557, 619, 743, 805,	873
Titan Chain Saws, Inc.	423
Tree Farm Mgmt. Service 85, 150, 215, 297, 365, 421, 493, 557, 619, 743, 805,	873
Union Bag-Camp Paper Corp.	669
Urania Lbr. Co.	674
Walpole Co. 353, 486, 623,	795
Wenzel Co. 79, 142, 216, 300, 351, 431, 494,	548
Western Cabinet Mfg. Co.	869
Western Fire Equipment 76, 143, 207, 298, 352, 415, 488, 554, 614, 676, 791,	868
West Virginia Pulp & Paper Co.	670
Weyerhaeuser Timber 74, 218, 357, 481, 562,	790
Whitmire Research Lab. 292, 354, 426, 483,	550
Wiley, John & Sons	197
Willamette Valley Lbr.	720
Wilson, S. Leigh	740
Winslow, Paul	741
Wolff, William J. 210,	559
Woodlot Seed Co. 78,	154